

(U.S.)

Attorney Docket No.: Islam 2-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant(s):** Islam et al  
**Serial No.:** 09/646,859  
**Filed:** 2/17/99  
**For:** Self-Synchronization of an Optical Packet  
Network Using Seed Pulses Extracted  
from within the Packets.

**COMBINED  
CERTIFICATE UNDER  
37 C.F.R. § 3.73(b)  
And  
POWER OF ATTORNEY**

Assistant Commissioner for Patents  
Washington, DC 20231

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

The Regents of the University of Michigan certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

09646859-100101

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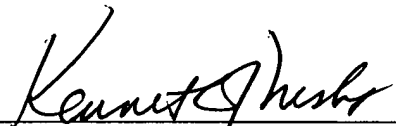
**POWER OF ATTORNEY BY ASSIGNEE**

The Regents of the University of Michigan, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **Self-Syncbronization of an Optical Packet Network Using Seed Pulses Extracted from Within the Packets** and executed by Mohammed N. Islam and Tiejun Xia , respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Patent Department, Corning Incorporated) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Mary Y. Redman at the address associated with that Customer Number.

**Customer Number: 22928**

THE REGENTS OF THE UNIVERSITY OF MICHIGAN

Date: 9/6/01

By   
Kenneth J. Nisbet  
Director  
University of Michigan Technology Transfer

09646859-100101

## ASSIGNMENT

FOR VALUE RECEIVED, we, **Mohammed N. Islam residing at 2717 Holyoke Lan , Ann Arbor, MI 48103, and Tiejun Xia residing at 1613 Beal Avenue, #6, Ann Arbor, MI 48106**, hereby sell, assign and transfer unto The Regents of the THE REGENTS OF THE UNIVERSITY OF MICHIGAN, a non-profit educational institution having corporate power under the laws of the State of Michigan, having its principal place of business at Ann Arbor, Michigan, as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **NOVEL SELF-SYNCHRONIZATION SCHEME FOR HIGH SPEED PACKET TDM NETWORKS**, such inventions being generally described in an application for Letters Patent of the United States executed by us on the 3rd day of June, 1998, and the 3rd day of June, 1998, provisional patent application Serial No. 60/075,013 filed by us in the United States on 2/17/98, and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to THE REGENTS OF THE UNIVERSITY OF MICHIGAN, its successors, assigns and legal representatives, or to such nominees as THE REGENTS OF THE UNIVERSITY OF MICHIGAN may designate.

I agree that, when requested, I will, without charge to THE REGENTS OF THE UNIVERSITY OF MICHIGAN and at THE REGENTS OF THE UNIVERSITY OF MICHIGAN's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in THE REGENTS OF THE UNIVERSITY OF MICHIGAN, its successors, assigns and legal representatives or nominees.

I authorize and empower THE REGENTS OF THE UNIVERSITY OF MICHIGAN, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization from us.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of THE REGENTS OF THE UNIVERSITY OF MICHIGAN, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with THE REGENTS OF THE UNIVERSITY OF MICHIGAN, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at Ann Arbor, Michigan, this

6/3/98

1998

Mohammed N. Islam

6/3

1998

Tiejun Xia

State of Michigan)

County of Washtenaw

On the 3rd day of June 1998, before me personally came **Mohammed N. Islam** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Karen R. Liska

Notary Public



State of Michigan)

County of Washtenaw

On the 3rd day of June 1998, before me personally came **Tiejun Xia** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Karen R. Liska

Notary Public



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